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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/548,408	07/27/2006	Motohiro Takeda	65,361-002	8009
27305 7590 09/01/2009 HOWARD & HOWARD ATTORNEYS PLLC 450 West Fourth Street			EXAMINER	
			CHENG, JACQUELINE	
Royal Oak, MI 48067			ART UNIT	PAPER NUMBER
			3768	
			MAIL DATE	DELIVERY MODE
			09/01/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/548,408	TAKEDA ET AL.				
Office Action Summary	Examiner	Art Unit				
	JACQUELINE CHENG	3768				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
	(IS SET TO EVRIDE 2 MONTH!	EVAD THIDTY (20) DAVE				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	lely filed the mailing date of this communication. (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>08 Se</u>	<u>eptember 2005</u> .					
2a) This action is FINAL . 2b) ☑ This	a) This action is FINAL . 2b) ⊠ This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	33 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1,2 and 4-9</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1,2 and 4-9</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>08 September 2005</u> is/a	ire: a)⊠ accepted or b)⊡ object	ted to by the Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)⊡ Some * c)⊡ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)						
B) ☑ Information Disclosure Statement(s) (PTO/SB/08) 5) ☐ Notice of Informal Patent Application Paper No(s)/Mail Date 7/27/06, 10/14/08. 5) ☐ Other:						
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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1, 2, 5, and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Klaveness (US 6,159,445). Klaveness discloses a method of generating an image of a human or of a small mammal other than a human being by administering a contrast agent to the body and create a light image of a region of interest (col. 8 line 3-10). The region of interest can be any part of the body such as for detection of a lymph node such as a sentinel lymph node (col. 10 line 37-40). The contrast agent can comprise a fluorophore which preferably has a characteristic emission in the 600-1300 nm range (col. 10 line 18-21) and has a diameter of about 5 to 800 nm (col. 17 line 6-11). In particular Klaveness discloses using a particle having a diameter of approximately 120 nm to image a rat (col. 28 line 22-30).
- 3. Claims 1, 2, 5, and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Snow (US 6,350,431 B1). Snow discloses compounds that are useful as contrast agents in light imaging procedures, in particular compounds containing a plurality of chromophores which have an emission maxima in the visible to far infra-red range (includes the 600-900 nm range) and sizes from 10-5000 nm (col. 1 line 9-56, col. 54 line 27-33). The contrast agents can be used for

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imaging a human or an animal and can be used for detecting the sentinel lymph node (col. 8 line 33-35, col. 8 line 55-59).

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 6. Claims 4, 6, 8, and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Snow. Snow discloses most of what is claimed as discussed above except for explicitly disclosing using particles that have at least part of the surface constituted by organopolysiloxane. Snow does discloses that the particles can comprise polymeric units such as polysiloxane (col. 47 line 15) so it would therefore be obvious to use any well known polysiloxane such as organopolysiloxane.

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Conclusion

7. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to JACQUELINE CHENG whose telephone number is (571)272-

5596. The examiner can normally be reached on M-F 10:00-6:30.

8. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Long Le can be reached on 571-272-0823. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

9. Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JC

/Long V Le/

Supervisory Patent Examiner, Art Unit 3768